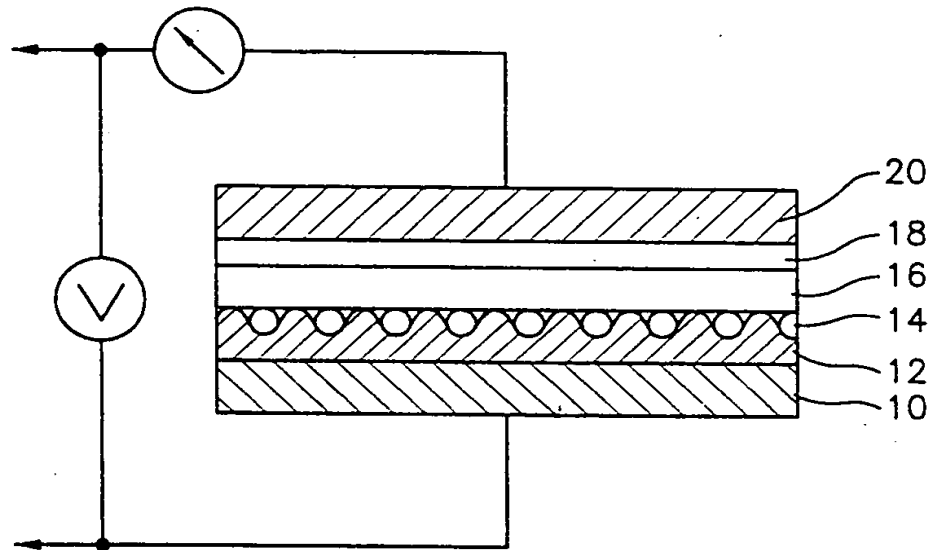


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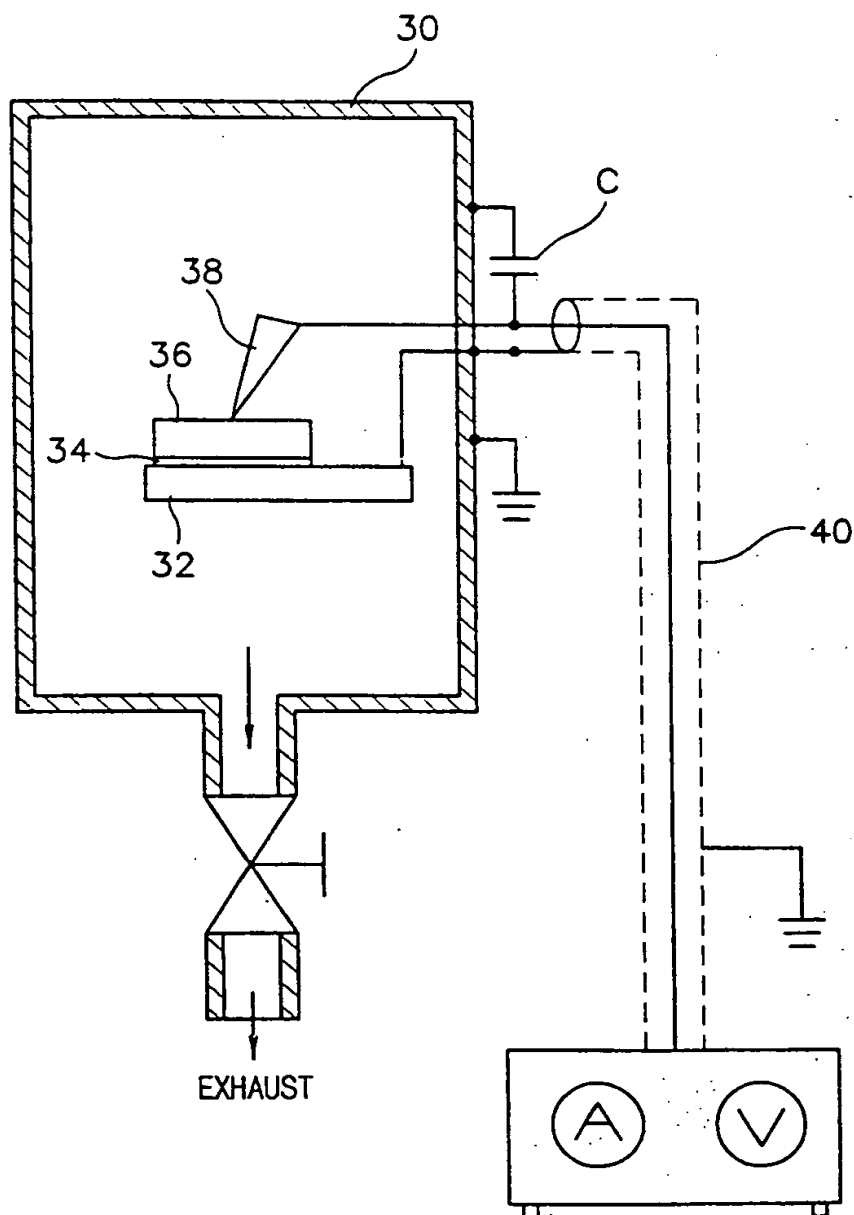
FIG. 1



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FIG. 2



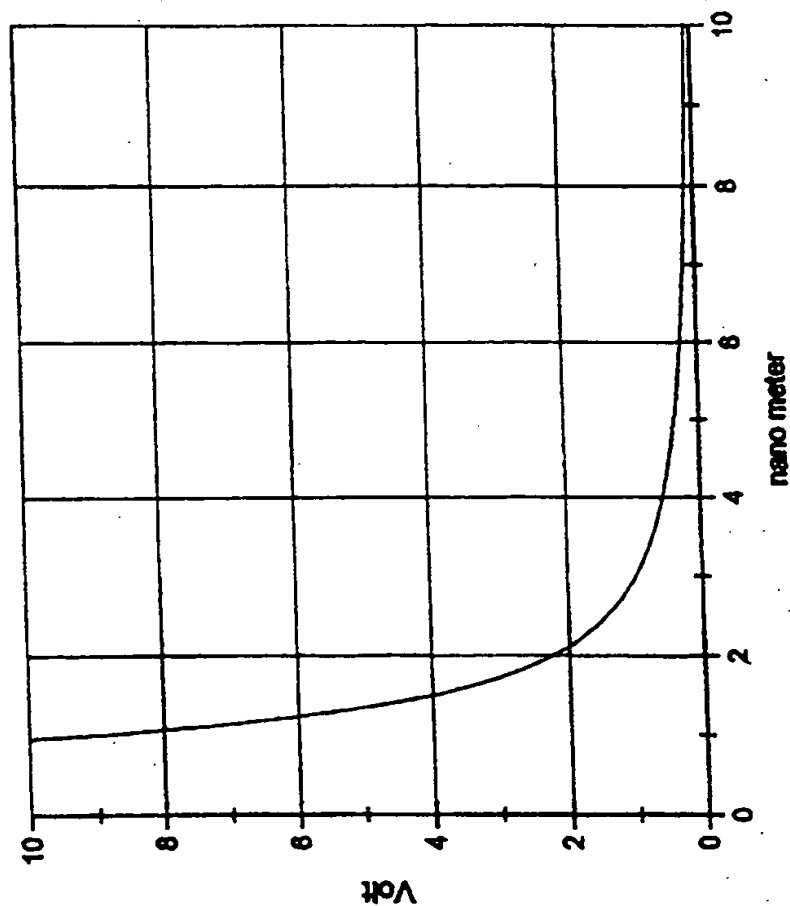
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FIG. 3

$$V = U(e \cdot S) \cdot q \cdot (L = 31 \text{ \AA}, e = 8.855 \cdot 10^{-12}, q = 1.602 \cdot 10^{-19} \text{ C})$$

$$V = 8.828(x^2), \quad (x = \text{Diameter of nano dot})$$



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FIG. 4

$$W = (1/2) q V \quad q = [1.602 \cdot 10^{-19} \text{C}], \quad W = [kT \cdot 1.602 \cdot (-19) \text{J}]$$
$$V = 2 W / q = 2 \cdot 0.028 \text{V}$$

